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Water-Data Report 2008

**394922074563301 Local number 070412 Elm Tree 2 Obs NJ Permit Number 31-09560**

Northern Atlantic Coastal Plain aquifer system  
Magothy-Raritan-Potomac Aquifer System, Lower Aquifer

Camden County, NJ

LOCATION.--Lat 39°49'22", long 74°56'30" referenced to North American Datum of 1927, Voorhees Township, Camden County, NJ, Hydrologic Unit 02040202, about 200 ft northeast of Thomas Rd. and about 2 mi northwest of Berlin.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 1,092 ft. Upper casing diameter 6 in; top of first opening 1,082 ft, bottom of last opening 1,092 ft. Drilled artesian well.

DATUM.--Land-surface datum is 148.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.8 ft above land-surface datum, Dec. 1, 1984, to present.

PERIOD OF RECORD.--Mar. 1964 to current year.

GAGE.--Water-level recorder--60-minute recording interval. Water-level extremes recorder, Mar. 1977 to Dec. 1984. Periodic measurements, June 1975 to Mar. 1977. Water-level recorder, July 1965 to June 1975. Periodic measurements, Feb. 1964 to July 1965.

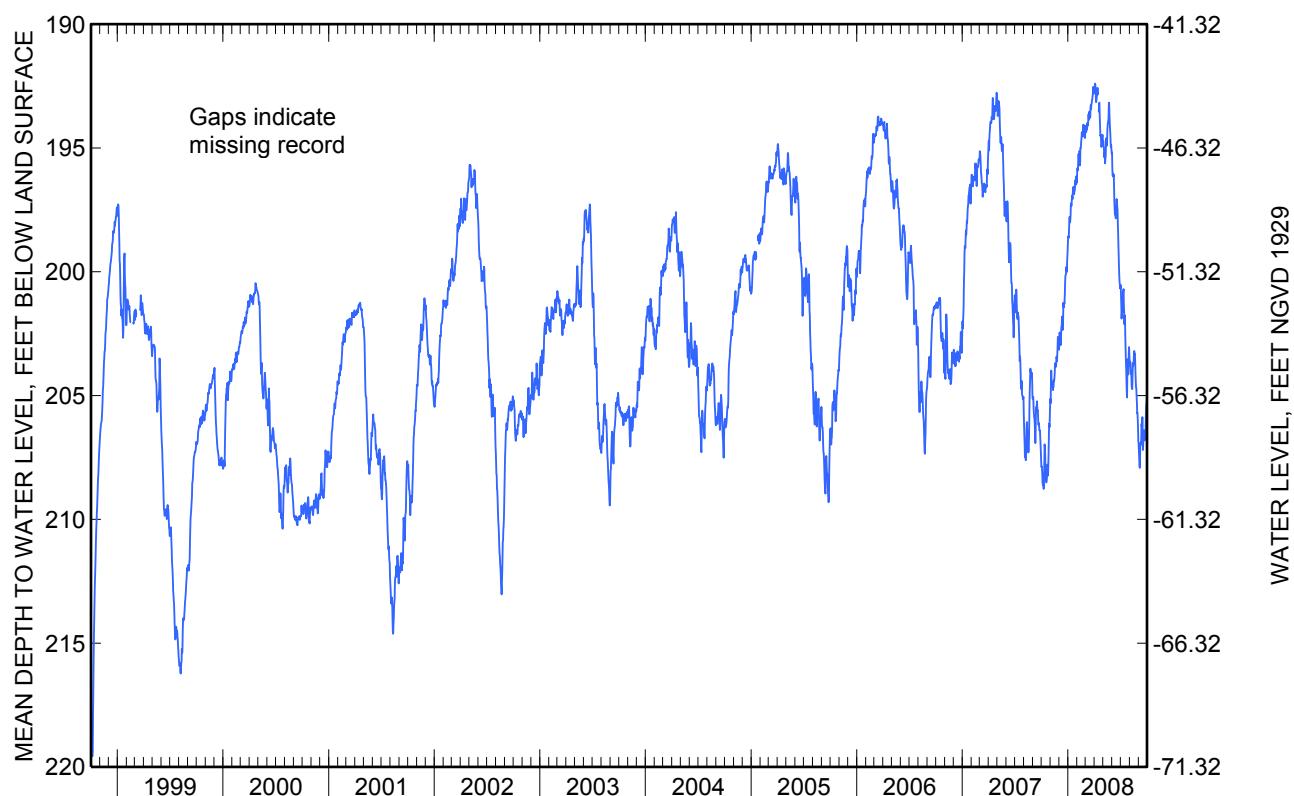
REMARKS.--Well was originally screened 1,217 to 1,227 ft; rehabilitated Aug. 1969.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 142.28 ft below land surface, Mar. 3, 1964; lowest, 233.08 ft below land surface, Sept. 16, 1995.

EXTREMES FOR CURRENT YEAR.--Highest water level, 192.32 ft below land surface datum, Apr. 4; lowest water level, 208.82 ft below land surface datum, Oct. 9.

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	207.88	205.13	203.15	198.75	196.25	194.25	192.52	194.74	195.18	200.53	203.65	206.94
<b>2</b>	207.86	205.31	202.87	198.56	195.91	194.25	192.61	194.71	195.82	200.93	203.78	207.22
<b>3</b>	207.95	204.46	202.45	198.63	195.81	194.32	192.70	194.92	196.11	201.34	203.63	207.50
<b>4</b>	208.14	203.99	202.67	198.52	195.91	194.36	192.40	194.98	196.11	201.89	203.75	207.82
<b>5</b>	208.53	204.29	202.62	198.11	195.64	194.09	192.52	195.37	196.04	201.69	204.11	207.92
<b>6</b>	208.60	204.55	202.78	197.79	195.25	194.20	192.84	195.18	196.17	201.47	203.98	207.48
<b>7</b>	208.50	204.48	202.96	197.80	195.25	194.26	193.15	195.35	196.08	201.64	204.22	206.91
<b>8</b>	208.64	204.47	202.61	198.01	195.51	193.99	193.12	195.62	196.54	201.18	204.65	207.00
<b>9</b>	208.77	204.58	202.23	197.92	195.37	194.05	193.00	195.43	197.14	200.89	204.67	206.88
<b>10</b>	208.41	204.78	202.19	197.70	195.11	194.09	192.87	195.34	197.43	200.80	204.74	206.88
<b>11</b>	207.75	204.65	202.03	197.24	195.71	193.86	192.77	194.93	197.69	200.70	204.17	206.14
<b>12</b>	206.97	204.65	201.81	197.24	195.62	193.64	192.57	194.61	197.65	201.40	203.69	206.25
<b>13</b>	207.12	204.37	202.22	197.34	195.00	193.77	192.71	194.88	197.72	201.64	203.79	206.30
<b>14</b>	207.37	204.41	202.35	197.16	195.01	193.86	192.84	194.91	197.84	202.12	203.75	205.87
<b>15</b>	207.85	204.30	202.06	196.92	194.87	193.53	---	194.70	197.62	201.75	203.64	206.48
<b>16</b>	208.20	204.11	201.25	197.00	194.70	193.64	193.53	194.23	197.38	201.93	203.27	207.20
<b>17</b>	208.45	203.70	201.44	197.06	194.56	193.78	193.34	194.10	197.06	202.64	203.20	206.97
<b>18</b>	208.51	203.71	201.40	196.68	194.36	193.76	193.17	193.95	197.25	203.17	203.37	206.59
<b>19</b>	208.47	203.75	201.26	196.61	194.47	193.36	193.48	193.93	197.36	203.62	203.30	206.56
<b>20</b>	208.35	203.84	201.28	196.57	194.46	193.27	193.92	193.79	197.49	203.93	203.56	206.40
<b>21</b>	207.82	203.77	200.92	196.74	194.54	193.43	194.25	193.25	197.98	204.44	204.06	206.46
<b>22</b>	207.79	203.43	200.45	196.87	194.16	193.23	194.52	193.17	198.39	204.85	204.40	206.81
<b>23</b>	208.00	203.47	200.17	196.79	194.06	193.20	194.46	193.62	198.89	205.08	204.68	206.79
<b>24</b>	208.23	203.61	200.12	196.73	194.40	193.06	194.66	193.92	199.31	204.12	204.70	206.69
<b>25</b>	207.79	203.35	200.11	196.62	194.46	193.04	194.96	194.20	199.82	203.53	205.03	206.52
<b>26</b>	207.26	203.04	199.81	196.41	194.14	192.91	194.94	194.39	200.12	203.71	205.27	205.83
<b>27</b>	206.54	202.63	199.91	196.29	194.09	192.78	194.81	194.71	200.41	204.15	205.71	205.48
<b>28</b>	206.13	202.71	200.01	196.49	194.52	192.54	194.63	194.97	200.49	203.98	205.69	205.31
<b>29</b>	206.28	202.79	199.56	196.31	194.60	192.71	194.47	194.88	200.65	203.25	205.95	205.21
<b>30</b>	205.90	203.07	199.35	196.14	---	192.80	194.73	195.07	200.68	203.04	206.31	204.91
<b>31</b>	205.45	---	199.08	196.42	---	192.78	---	195.23	---	203.33	206.86	---
<b>Mean</b>	207.73	203.98	201.39	197.21	194.96	193.57	---	194.62	197.81	202.54	204.37	206.58
<b>Max</b>	208.77	205.31	203.15	198.75	196.25	194.36	---	195.62	200.68	205.08	206.86	207.92
<b>Min</b>	205.45	202.63	199.08	196.14	194.06	192.54	---	193.17	195.18	200.53	203.20	204.91



## WATER-QUALITY RECORDS

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Specif-						ANC,					
		pH, water, unfltrd field, std	conduc- tance, wat unf water, μS/cm	Temper- ature, water, deg C	Hard- ness, water, mg/L as	Calcium CaCO <sub>3</sub>	Magnes- ium, water, mg/L	Potas- sium, water, mg/L	Sodium, water, mg/L	end pt, lab, filtrd,	Bromide water, mg/L	Chlor- ide, water, mg/L	Silica, water, filtrd, mg/L as SiO <sub>2</sub>
(00400)	(00095)	(00010)	(00900)	(00915)	(00925)	(00935)	(00930)	(90410)	(71870)	(00940)	(00955)		
Apr 15...	1530	7.9	150	19.9	44	12.6	2.74	6.21	9.98	63	<.02	3.05	10.3

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Residue		Residue							
	water, filtrd,	sum of consti- tuents	water, filtrd,	180degC wat filt	Arsenic mg/L	Boron, water, filtrd,	Iron, water, filtrd,	Mangan- ese, water, filtrd,	Stront- ium, water, filtrd,	
(00945)	(70301)	(70300)	(70300)	(01000)	(01020)	(01020)	(01046)	(01056)	(01080)	
Apr 15...	7.51	E92	104	E.05	63	445	52.5	728		